

DESIGN GUIDELINES

USAREUR - Repair Program of Troop Billets - Standard 1+1

		SOURCE	
B 15	SOURCE NOTES / LOCATIONS		B 01
1110-3-1	Disinfection of drinking water lines		
ADA GUIDE	ADA-Accessibility		
ABG 75	Administration agreement between the Federal Minister for Room Order, Construction and City Planning of the Federal Republic of Germany and the Forces of the United States of America for the Performance of Construction Measures for and through the U.S. Forces stationed in the Federal Republic of Germany.		B 02
AMB	Working Group Brick in Federal Association German Brick Industry		B 03
ANSI	American National Standards Institute		
AR	Army Regulation -		B 04
AR 190-51	Safety of Open Army Property (classified and unclassified)		
AR 190-51	Revision of Physical Safety of Arms, Ammunition and Explosives		
ASTM 584	American Society of Testing and Materials (NFPA 255)		B 05
BAGUV	Community-Accident-Insurance Association of Baden		
26. BimSchV	Federal Immission Protection Regulation		
BMZ	Fire alarm center		
BO	Construction Regulations		B 06
CABO/ANSI	Guidelines of US National Standard Institute		
DIFt	German Institute for Construction Technique, Berlin		
DIN 1946	Air Handling Systems, Terminology and Graphic Symbols (VDI Ventilation Regulations)		
DIN 1986	Drainage Systems for Buildings and Sites		B 07
DIN1988			
Part 4	Technical Regulations for Potable Water – Installations (TRWI); Protection of Potable Water, Preservation of Potable Water Quality		B 08
	Technical Regulations of DVGW		
DIN 2394	Welded, Size Rolled Precision Steel Pipes		
DIN 2440	Steel pipes, Medium-Heavy-Duty Threaded Pipes		
DIN 2441	Steel Pipes Heavy-Duty Threaded Pipes		B 09
DIN 2448	Seamless Steel Pipes, Dimensions, Masses per Unit Length		
DIN 2999	Whitworth-Pipe Thread for Threaded Pipes		
DIN 3265	Sanitary Fixtures, Flush Valves, Flush Valves for Toilets, Dimensions, Requirements		B 10
DIN 3567	Pipe Clamps for Nominal Width 20 up to 500		
DIN 4066	Signs for Fire Protection		
DIN 4102	Behavior in Fire of Materials and Building Elements		
Part 4			B 11
DIN 4108	Thermal Protection in Building Construction		
DIN 4109	Sound Insulation in Building Construction		
DIN 4172	Dimensional Ordinance in Building Construction		
DIN 4701	Regulations for Calculation of Heat Demand of Buildings		B 12
DIN 4844	Security Identification; Terms, Principles and Security Symbols		
DIN 5035	Lighting with Artificial Light; Terms and General Requirements		
DIN 50335	Interior Room Lighting with Artificial Light, Emergency Lighting		
Part 5			B 13
			B 14
			B 15

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DIN 5044		B 01
DIN 8077	Pipes of Polypropylene	B 02
DIN 8079	Pipes of Chlorinated Polyvinylchloride (PVC-C)	
DIN 14 381	B-Pressure Valve PN 16	
DIN 14 461	Fire Extinguishing Foam Connection Devices	
DIN 14 655	Non-Automatic Fire Alarms (Fire Alarms) G for Application in Dry Rooms	
DIN 14 675		B 03
DIN 17 455	Welded, Circular Pipes made of Non-Rusting Steels for General Requirements; Technical Delivery Conditions	B 04
DIN 18 014	Foundation Earth Rod	
DIN 18 017	Ventilation of Bathrooms and Latrines without Exterior Windows, Single Shaft Systems without Fans	
DIN 18 022	Kitchens, Bathrooms and Latrines	
DIN 18 100	Doors, Wall Openings for Doors; Dimensions according to DIN 4 172	
DIN 18 111	Door Frames, Steel Frames, Standard Frames for Rabbeted Doors	B 05
DIN 18 195		B 06
Part 1 – 10	Damp Proofing of Buildings	
DIN 18 251	Locks, Mortise Locks for Doors	
DIN 18 333	VOB (Contract Terms for Construction Services);	
digit 3.1.2	Part C: General Technical Contract Terms for Construction Services (ATV); Cast Stone Work	
	Height Differences	B 07
DIN 18 380	VOB (Contract Terms for Construction Services)	B 08
	Heating Systems and Central Water Heating Systems	
DIN 19 522	Cast Iron Drain Pipes and Fittings without Socket	
DIN 19 535	Pipes and Fittings of Polyethylene of High Density (PE-HD) for Hot Water Resistant Sewage Lines (HT) Inside Buildings	
DIN 19 537	Pipes and Fittings of Polyethylene of High Density (PE-HD) for Sewers	
DIN 19 561	Pipes and fittings of Syrol-Copolymerisates with Socket Joint for Hot Water Resistant Sewage Lines (HT) Inside Buildings	B 09
DIN 24 145	Air Handling Systems; Spiral Rabbet Pipes, Connecting Ends, Connectors	B 10
DIN 24 146	Air Handling Systems; Flexible Pipes, Dimensions and Requirements	
DIN 40 900	Graphic Symbols for Switch Documents	
DIN 43 870	Meter Stations; Dimensions on the Basis of Grid System	
DIN 45 330	Antenna Receptacle for Connection of Receiver Connection Cables at Antenna Systems; Main Dimensions	
DIN 47 614	Connection Strips for Communication Systems	B 12
DIN 48 801	Lightning Protection Systems; Wires, Screws and Nuts	
DIN 48 852	Lightning Protection Systems; Grounding Rod, Single and Multi-Sectional (Sectional Grounding Rod)	
DIN 49 018	Electric Installation Pipes and Accessories; Flexible Flame-Retardant Molded Plastic Conduits, Corrugated, Sockets for Medium and Light Pressure Duty	
DIN 49 200	Switches for Installations max. 16 A, 250 V	B 13
DIN 49 440	Grounded 2-pole Receptacles	B 14
DIN 49 462	Multi-Pole Receptacle with Shrouded Contacts, 16 and 32 A over 42 – 750 V; Covered Receptacles, Splash-Waterproof, Main Dimensions	
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DIN 49 463	Multi-Pole Receptacle with Shrouded Contacts, 63 and 125 A over 42 – 750 V; Covered Receptacles, Splash-Waterproof, Main Dimensions	B 01
DIN 51 150	Acid Resistance for Showers and Bathtubs	B 02
DIN pr EN 12 831	Heating System in Buildings	B 03
DIN V ENV 61024	Lightning Protection Structural Facilities	
DIN V ENV 61024-1 (VDE V Part 100)	Lightning Protection Structural Facilities National Appendix	
DIN EN 61082, Part 1 + 2	Symbols for Electrical Plans	B 04
DIN 68 121	Wood Profiles for Windows and Windows-Doors	B 05
DIN 86 207 B	Blind Coupling PN 16 made of Copper-Zinc-Alloy for the Utilization on Ships	
DIN EN 42	Test Procedure for Windows, Testing of Joint Permeability	
DIN EN 54-2	Standards for Danger Alarm System	B 06
DIN EN 77	Test Procedure at Windows, Testing of Wind Resistance	
DIN EN 86	Test Procedure, Testing of Pelting Rain Resistance under Static Pressure	
DIN EN 107	Test Procedure for Windows – Mechanical Tests	B 07
DIN EN 215	Thermostatic Radiator Valves, Requirements and Testing	
DIN EN 204	Evaluation of Adhesive Compounds for Non-Bearing Building Elements for Bonding of Wood and Wooden Materials	
DIN EN 442	Radiators and Convectors	B 08
DIN EN 61082	Documentation of Electrical Systems	
DOD	Department of Defense	
DOD 5100-76-M	Director of Public Works	B 09
DOD 1008A		
DPW		
ELT.BauVO	Ordinance for Electrical Operation Rooms	B 10
EN	European Standard	
EnEV	Energy Saving Regulations	
ETL 1110-3-489	Domestic Water Heaters for Barracks	B 11
EUD	United States Army Corps of Engineers, District Europe	
EUC	United States Army Corps of Engineers, Transatlantic Programs Center, Europe	
FW	Fire Department	B 12
GefStoffV	Ordinance for Hazardous Materials	
GUV	Community Accident Insurance Association	
GUV 56.3	More Security at Broken Glasses	B 13
HeizAnlV	Heating System Ordinance	
HQ USAREUR	Headquarters, United States Army, Europe	
IEC	International Electrical Commission	B 14
IfFt	Institute for Window Technique, Rosenheim	
ISO 9660	International Standardization Organization	
LBO	District Building Ordinance	B 15
MBO	Sample Construction Regulations	
MHB 1008C	Military Handbook 1008C Fire Protection for Facilities Engineering, Design and Construction	
MIL-HDBK-1008C	Military Handbook	B 14
Mkbl	Code of Practice	
MP	Military Police	
NEC	National Electrical Code	B 15
NEM	Navy Exchange Manual	

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NEM A5	National Electrical Manufacture Association		B 01
NFPA 1997	National Fire Protection Association Incl.		
NFPA 13	Installation of Sprinkler Systems		
NFPA 13R	Installation of Sprinkler Systems. Residential Occupancies up to and including four stories height		B 02
NFPA 20	Standard for Installation of Centrifugal Fire Pumps		
NFPA 101	Quincy/Mass/National Fire Protection Association		
NSF 61	Drinking Water System Components		B 03
ODCSENGR	Office of the Deputy Chief of Staff, Pioneers		
PTSK	Partially type tested Switch System Device Combination		
RAL-RG 424-1	RAL Quality Assurance		
	Test Regulations for Wooden Windows		B 04
RAL-RG-636-1	Quality and Test Regulations for Aluminum Windows		
RAL-RG-716-1	Quality and Test Regulations for Plastic Windows		
RAL-RG-607-3	Quality and Test Regulations for Turn/Tilt Hardware		
Ril	Guidelines		B 05
RS	Smoke Protection		
Stpl	Standard Plan		
TRGA 601	Spare Materials for Asbestos		
TRGS 102	Technical Standard Concentration for Hazardous Materials (TRK)		B 06
TRGS 420	Observance of Air Limits		
TRGS 521	Regulation for Fiber Dusts		
TRGS 524	Renovation and Working in Contaminated Areas		
TRGS 551	Tar and other Pyrolysis Products consisting of Organic Materials		
TRGS 555	Operation Instruction and Instruction		B 07
	acc. to § 20 GefStoV		
TRGS 610	Spare Materials, Spare Procedures and Utilization Restrictions for High Solvent Containing Pre-Paint Coats and Floor Covering Glues		B 08
TRK	Technical Standard Concentration		
UBC	Uniform Building Code		
U/L	Underwriter Laboratories		
US-FW	US Fire Department		B 09
U.S.NFCF 101	National Fire Code		
VBG 4	Trade Association Accident Prevention Regulations "Electrical Systems and Operating Devices"		B 10
VDE	Regulations of the Association of German Electrical Engineering		
VDE 0100	Regulations for Erection of High Voltage Systems with Nominal Voltages max. 1000 V		B 11
Part 410	Protective Measures, Protection Against Hazardous Flows		
Part 520	Selection and Erection of Electrical Operating Devices, Cables , Wires and Rails		B 12
Part 540	Grounding, Protective Conductors, Potential Equalization Bus Bar		
Part 550	Plug Devices, Switches and Installation Equipment		B 13
Part 559	Light Fixtures and Light Systems		
Part 701	Rooms with Bathtub and Shower		
VDE 0101	Erection of High Voltage Systems with Nominal Voltage over 1kV		B 14
VDE 0108	High Voltage Systems in Buildings for the Assembly of People		
Part 1 Title 6	Security Power Supply		B 15

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VDE 0128	Erection of Fluorescent Tube Systems with Nominal Voltages over 1000 V	B 01
VDE 0151	Materials and Minimum Dimensions of Grounds with Reference to Corrosion	B 02
VDE 0185	Lightning Protection System	B 03
VDE 0185 Part 102	Determinations for Building Lightning Protection	
VDE 0190	Integration of Gas and Water Lines in Main Potential Equalization of Electric Systems	B 04
VDE 0603	Installation Panels and Metering Stations max. 250 V against Earth	B 05
VDE 0620	Plug Devices, max. 250 V 25 A	
VDE 0641	Miniature Circuit Breakers max. 63 A Nominal Current, 415 V Alternating Voltage	B 06
VDE 0641 Part 11	Miniature Circuit Breakers for household and Similar Applications	B 07
VDE 0660	Switch Gears	
Part 1+5	Switch gears - Application Areas, Details for Accomplishment	B 08
Part 101	Circuit Breakers	
Part 102	Contactors	B 09
Part 107	Load Switches, Separators, Load Breakers and Switch Fuse Units	
Part 500	Low Voltage Switch Gear Combinations	B 10
Part 507	Switch Gears; Low Voltage Switch Gear Combination; Procedure for Determination of Heating of Partial Type Tested Low Voltage Switch Gear combination (PTSK) by Extra Polation	
VDE 0675, Part 6	Overvoltage Dischargers in WS-Networks 100-1000V	B 11
VDE 0800	Communication Engineering	B 12
VDE 0815	Installation Cable and Wires for Communication and Information Processing Systems	
VDE 0833	Danger Alarm Systems for Fire, Intrusion and Attacks	B 13
VDE 0855	Antenna Systems	
VDI 2719	Sound Insulation of Windows and their Additional Equipment	B 14
VDI 6030	Dimensioning of Free Room Heating Areas	
VdS	Guidelines of Association of Insurance Companies	B 15
WSchV	Regulation concerning Energy Saving Thermal Protection at Buildings	
ZDB	Central Association of German Building Trade	B 16
ZDH, Köln	Central Association of German Roofing Trade, Cologne	
	Guidelines for Design and Execution of Roofs with Sealing	B 17
ZH 1/183	Zentralverband des deutschen Dachdeckerhandwerks, Köln	
ZLT	Guidelines for Work in Contaminated Areas	B 18
	Central Process Control Technique	